Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/06/2018 09:33 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126080	0	1.38	125872	1.33
Blue	F	SSC	125000	123281	-2	3.58	123368	3.26
Blue	E	FITC	23615	22869	-4	2.54	1022	10.30
Blue	D	PE	26739	26371	-2	2.03	948	10.05
Blue	B	PerCP-Cy5-5	48339	47701	-2	3.55	1379	17.50
Blue	A	PE-Cy7	45021	45604	1	5.39	716	37.13
Red	C	APC	53064	52118	-2	2.73	2973	9.40
Red	A	APC-Cy7	57175	56357	-2	2.74	1204	11.32
Violet	B	V450	14728	14294	-3	5.48	678	9.79
Violet	A	V500	58621	57336	-3	5.35	2529	7.49

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19306	2.43	612	-2	N/A	N/A	Pass
Blue	F	SSC	60977	1.48	557	11	N/A	N/A	Pass
Blue	E	FITC	111	41.08	547	-1	0.0209	225	Pass
Blue	D	PE	206	30.81	539	3	0.1592	293	Pass
Blue	B	PerCP-Cy5-5	215	46.04	638	3	0.0093	76	Pass
Blue	A	PE-Cy7	76	124.85	698	5	0.0106	13	Pass
Red	C	APC	343	27.64	597	0	0.0208	63	Pass
Red	A	APC-Cy7	131	40.67	581	1	0.0052	1597	Pass
Violet	B	V450	82	44.31	466	-4	0.0496	2387	Pass
Violet	A	V500	183	23.94	493	-4	0.0143	585	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.64	-31.36	0.95
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.34
Red	18.36	14.40 - 21.60	N/A	N/A	30.56	31.53	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9944

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments